BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

PRE-MEASUREMENT

Name of work: Repair and Maintenance of Roads and Drains in Ward No. 10 (Doddabommasandra).

Estimated Cost : Rs. 30.00 Lakhs

Head of Account : P-3726 Zonal Public Works - POW Works

Job Code: 010-22-000006

Name of Agency: Sri Subba Reddy K V, No. 106/B, Aswthanagara, RMV 2nd Stae, Bangalore - 560094.

Work order No: BBMP/EE/BTP/WO/27/2022-23 D: 24-04-2022.

Measurements Recarded on : 09-02-2023

Sl No	Description	No.	L	B1	B2	Av.,B	D	Qty	Rate
1	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.								Cum
	For Drain Desilting								
	Hamuman Layout 3rd Main Road								
	From RC pura Main Road to SWD								
	R/S	1	15.00			0.60	0.45	4.05	
		1	15.00			0.60	0.35	3.15	
		1	15.00			0.60	0.45	4.05	
		1	15.00			0.60	0.35	3.15	
		1	15.00			0.60	0.40	3.60	
		1	15.00			0.60	0.40	3.60	
		1	15.00			0.60	0.30	2.70	
		1	9.50			0.60	0.35	2.00	
	L/S								
		1	15.00			0.60	0.45	4.05	
		1	15.00			0.60	0.45	4.05	
		1	15.00			0.60	0.30	2.70	
		1	15.00			0.60	0.40	3.60	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.40	3.60	
		1	15.00			0.60	0.45	4.05	
		1	9.50			0.60	0.45	2.57	
	Hamuman Layout 2nd Main Road								
	From SWD to RC pura Main Road								
	R/S	1	15.00			0.60	0.45	4.05	
		1	15.00			0.60	0.40	3.60	
		1	15.00			0.60	0.35	3.15	
		1	15.00			0.60	0.45	4.05	
		1	15.00			0.60	0.45	4.05	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.40	3.60	
		1	9.30			0.60	0.30	1.67	
	L/S								
		1	15.00			0.60	0.45	4.05	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.55	4.95	
		1	15.00			0.60	0.45	4.05	
		1	15.00			0.60	0.50	4.50	
		1	15.00			0.60	0.55	4.95	
		1	15.00			0.60	0.45	4.05	
		1	9.30			0.60	0.50	2.79	
	Hamuman Layout 1st Main Road								
	From RC pura Main Road to SWD								
	R/S	1	15.00			0.60	0.55	4.95	

125.57

Sl No	Description	No.	L	B1	B2	Av.,B	D	Qty	Rate
		1	15.00			0.60	0.45	4.05	
		1	15.00			0.60	0.50	4.50	
		1	15.00			0.60	0.45	4.05	
		1	15.00			0.60	0.55	4.95	
		1	15.00			0.60	0.50	4.50	
		1	15.00			0.60	0.40	3.60	
		1	15.00			0.60	0.35	3.15	
		1	13.40			0.60	0.60	4.82	
	L/S								
		1	15.00			0.60	0.35	3.15	
		1	15.00			0.60	0.30	2.70	
		1	15.00			0.60	0.45	4.05	
		1	15.00			0.60	0.30	2.70	
		1	15.00			0.60	0.50	4.50	
		1	15.00			0.60	0.45	4.05	
		1	15.00			0.60	0.40	3.60	
		1	15.00			0.60	0.40	3.60	
		1	13.40			0.60	0.35	2.81	
	Hamuman Layout 1st Main Road 3rd Cross								
	From 1st Main to 2nd Main								
	R/S	1	15.00			0.60	0.45	4.05	
		1	15.00			0.60	0.35	3.15	
		1	15.00			0.60	0.45	4.05	
		1	15.70			0.60	0.35	3.30	
	L/S								
		1	15.00			0.60	0.35	3.15	
		1	15.00			0.60	0.25	2.25	
		1	15.00			0.60	0.30	2.70	
		1	15.70			0.60	0.40	3.77	
	Hamuman Layout 1st Main Road 2nd Cross								
	From 2nd Main to 1st Main								
	R/S	1	15.00			0.60	0.35	3.15	
		1	15.00			0.60	0.45	4.05	
		1	15.00			0.60	0.40	3.60	
		1	15.00			0.60	0.35	3.15	
		1	4.20			0.60	0.40	1.01	
	L/S								
		1	15.00			0.60	0.45	4.05	
		1	15.00			0.60	0.30	2.70	
		1	15.00			0.60	0.35	3.15	
		1	15.00			0.60	0.20	1.80	
		1	4.20			0.60	0.35	0.88	
	Hamuman Layout 1st Main Road 1st Cross								
	From 1st Main to 2nd Main								
	R/S	1	15.00			0.60	0.35	3.15	
		1	15.00			0.60	0.35	3.15	
		1	15.00			0.60	0.45	4.05	
		1	15.00			0.60	0.40	3.60	
		1	7.10			0.60	0.35	1.49	
	L/S								
		1	15.00			0.60	0.35	3.15	
		1	15.00			0.60	0.45	4.05	
		1	15.00			0.60	0.20	1.80	
		1	15.00			0.60	0.35	3.15	
		1	7.10			0.60	0.40	1.70	
	Berm Cutting								
	Hamuman Layout 3rd Main Road								
	From RC pura Main Road to SWD								
	R/S	1	15.00	0.75	0.80	0.78	0.25	2.91	
		1	15.00	0.80	0.90	0.85	0.25	3.19	
		1	15.00	0.90	0.75	0.83	0.25	3.09	
		1	15.00	0.75	0.60	0.68	0.25	2.53	
		1	15.00	0.60	0.90	0.75	0.25	2.81	
		1	15.00	0.90	0.65	0.78	0.25	2.91	
		1	15.00	0.65	0.90	0.78	0.25	2.91	
		1	9.50	0.90	0.75	0.83	0.25	1.96	

170.34

Sl No	Description	No.	L	B1	B2	Av.,B	D	Qty	Rate
	L/S								
		1	15.00	0.90	0.80	0.85	0.25	3.19	
		1	15.00	0.80	0.75	0.78	0.25	2.91	
		1	15.00	0.75	0.90	0.83	0.25	3.09	
		1	15.00	0.90	0.75	0.83	0.25	3.09	
		1	15.00	0.75	0.80	0.78	0.25	2.91	
		1	15.00	0.80	0.70	0.75	0.25	2.81	
		1	15.00	0.70	0.80	0.75	0.25	2.81	
		1	9.50	0.80	0.90	0.85	0.25	2.02	
	Hamuman Layout 2nd Main Road								
	From SWD to RC pura Main Road	1	15.00	4.40	4.45	4.43	0.25	16.59	
		1	15.00	4.45	4.05	4.25	0.25	15.94	
		1	15.00	4.05	4.85	4.45	0.25	16.69	
		1	15.00	4.85	4.90	4.88	0.25	18.28	
		1	15.00	4.90	4.95	4.93	0.25	18.47	
		1	15.00	4.95	4.65	4.80	0.25	18.00	
		1	15.00	4.65	4.60	4.63	0.25	17.34	
		1	9.30	4.60	4.70	4.65	0.25	10.81	
	Hamuman Layout 1st Main Road								
	From RC pura Main Road to SWD								
	R/S	1	15.00	0.75	0.80	0.78	0.25	2.91	
		1	15.00	0.80	0.90	0.85	0.25	3.19	
		1	15.00	0.90	0.75	0.83	0.25	3.09	
		1	15.00	0.75	0.90	0.83	0.25	3.09	
		1	15.00	0.90	0.80	0.85	0.25	3.19	
		1	15.00	0.80	0.75	0.78	0.25	2.91	
		1	15.00	0.75	0.70	0.73	0.25	2.72	
		1	15.00	0.70	0.90	0.80	0.25	3.00	
		1	13.40	0.90	0.85	0.88	0.25	2.93	
	L/S								
		1	15.00	0.90	0.75	0.83	0.25	3.09	
		1	15.00	0.75	0.80	0.78	0.25	2.91	
		1	15.00	0.80	0.65	0.73	0.25	2.72	
		1	15.00	0.65	0.90	0.78	0.25	2.91	
		1	15.00	0.90	0.75	0.83	0.25	3.09	
		1	15.00	0.75	0.65	0.70	0.25	2.63	
		1	15.00	0.65	0.75	0.70	0.25	2.63	
		1	15.00	0.75	0.85	0.80	0.25	3.00	
		1	13.40	0.85	0.80	0.83	0.25	2.76	
	Hamuman Layout 1st Main Road 3rd Cross								
	From 1st Main to 2nd Main								
	R/S	1	15.00	0.75	0.65	0.70	0.25	2.63	
		1	15.00	0.65	0.75	0.70	0.25	2.63	
		1	15.00	0.75	0.80	0.78	0.25	2.91	
		1	15.70	0.80	0.70	0.75	0.25	2.94	
	L/S								
		1	15.00	0.80	0.70	0.75	0.25	2.81	
		1	15.00	0.70	0.75	0.73	0.25	2.72	
		1	15.00	0.75	0.70	0.73	0.25	2.72	
		1	15.70	0.70	0.80	0.75	0.25	2.94	
	Hamuman Layout 1st Main Road 2nd Cross								
	From 2nd Main to 1st Main								
	R/S	1	15.00	0.75	0.65	0.70	0.25	2.63	
		1	15.00	0.65	0.70	0.68	0.25	2.53	
		1	15.00	0.70	0.90	0.80	0.25	3.00	
		1	15.00	0.90	0.65	0.78	0.25	2.91	

241.07

Sl No	Description	No.	L	B1	B2	Av.,B	D	Qty	Rate
		1	4.20	0.65	0.75	0.70	0.25	0.74	
	L/S								
		1	15.00	0.80	0.65	0.73	0.25	2.72	
		1	15.00	0.65	0.75	0.70	0.25	2.63	
		1	15.00	0.75	0.80	0.78	0.25	2.91	
		1	15.00	0.80	0.75	0.78	0.25	2.91	
		1	4.20	0.75	0.80	0.78	0.25	0.81	
	Hamuman Layout 1st Main Road 1st Cross								
	From 1st Main to 2nd Main								
	R/S	1	15.00	0.90	0.85	0.88	0.25	3.28	
		1	15.00	0.75	0.70	0.73	0.25	2.72	
		1	15.00	0.70	0.65	0.68	0.25	2.53	
		1	15.00	0.65	0.70	0.68	0.25	2.53	
		1	7.10	0.70	0.80	0.75	0.25	1.33	
	L/S								
		1	15.00	0.70	0.60	0.65	0.25	2.44	
		1	15.00	0.60	0.65	0.63	0.25	2.34	
		1	15.00	0.65	0.75	0.70	0.25	2.63	
		1	15.00	0.75	0.80	0.78	0.25	2.91	
		1	7.10	0.80	0.65	0.73	0.25	1.29	
	Deduction of Manholes							36.70	
	Manhole	-5	0.79	Area of Circle = (3.142*1.0*1.0)/4 = 0.79			0.25	-0.99	
		Total Qty =						**572.69**	
		Qty Limited to Tender Qty =						**571.78**	Cum

573.68

Junior Engineer
Ward No. 10

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Sl No	Description	No.	L	B1	B2	Av.,B	D	Qty	Rate
	Measurements Recarded on :	13-02-2023							
2	Removing and refixing stone slabs of drains and pointing in CM (1:3)								Sqm
	Hamuman Layout 3rd Main Road								
	From RC pura Main Road to SWD								
	R/S	1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	1.80			0.90		1.62	
	L/S								
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	2.60			0.90		2.34	
	Hamuman Layout 2nd Main Road								
	From SWD to RC pura Main Road								
	R/S	1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	5.50			0.90		4.95	
	L/S								
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	6.00			0.90		5.40	
	Hamuman Layout 1st Main Road								
	From RC pura Main Road to SWD								
	R/S	1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	2.00			0.90		1.80	
	L/S								
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	5.00			0.90		4.50	
	Hamuman Layout 1st Main Road 3rd Cross								
	From 1st Main to 2nd Main								
	R/S	1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	12.50			0.90		11.25	
	L/S								
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.70			0.90		14.13	

653.79

Sl No	Description	No.	L	B1	B2	Av.,B	D	Qty	Rate
	Hamuman Layout 1st Main Road 2nd Cross								
	Fro 2nd Main to 1st Main								
	R/S	1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	5.80			0.90		5.22	
	L/S								
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	4.20			0.90		3.78	
	Hamuman Layout 1st Main Road 1st Cross								
	From 1st Main to 2nd Main								
	R/S	1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	7.10			0.90		6.39	
	L/S								
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	15.00			0.90		13.50	
		1	6.50			0.90		5.85	
		Total Qty =						**850.23**	
		Qty Limited to Tender Qty =						**850.12**	Sqm

196.74

850.93

Junior Engineer
Ward No. 10

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Sl No	Description	No.	L	B1	B2	Av.,B	D	Qty	Rate
	Measurements Recarded on :	15-02-2023							
5	Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications.								Sqm
	Hamuman Layout 3rd Main Road								
	From RC pura Main Road to SWD								
	R/S	1	15.00	0.75	0.80	0.78		11.63	
		1	15.00	0.80	0.90	0.85		12.75	
		1	15.00	0.90	0.75	0.83		12.38	
		1	15.00	0.75	0.60	0.68		10.13	
		1	15.00	0.60	0.90	0.75		11.25	
		1	15.00	0.90	0.65	0.78		11.63	
		1	15.00	0.65	0.90	0.78		11.63	
		1	9.50	0.90	0.75	0.83		7.84	
	L/S								
		1	15.00	0.90	0.80	0.85		12.75	
		1	15.00	0.80	0.75	0.78		11.63	
		1	15.00	0.75	0.90	0.83		12.38	
		1	15.00	0.90	0.75	0.83		12.38	
		1	15.00	0.75	0.80	0.78		11.63	
		1	15.00	0.80	0.70	0.75		11.25	
		1	15.00	0.70	0.80	0.75		11.25	
		1	9.50	0.80	0.90	0.85		8.08	
	Hamuman Layout 2nd Main Road								
	From SWD to RC pura Main Road	1	15.00	4.40	4.45	4.43		66.38	
		1	15.00	4.45	4.05	4.25		63.75	
		1	15.00	4.05	4.85	4.45		66.75	
		1	15.00	4.85	4.90	4.88		73.13	
		1	15.00	4.90	4.95	4.93		73.88	
		1	15.00	4.95	4.65	4.80		72.00	
		1	15.00	4.65	4.60	4.63		69.38	
		1	9.30	4.60	4.70	4.65		43.25	
	Hamuman Layout 1st Main Road								
	From RC pura Main Road to SWD								
	R/S	1	15.00	0.75	0.80	0.78		11.63	
		1	15.00	0.80	0.90	0.85		12.75	
		1	15.00	0.90	0.75	0.83		12.38	
		1	15.00	0.75	0.90	0.83		12.38	
		1	15.00	0.90	0.80	0.85		12.75	
		1	15.00	0.80	0.75	0.78		11.63	
		1	15.00	0.75	0.70	0.73		10.88	
		1	15.00	0.70	0.90	0.80		12.00	
		1	13.40	0.90	0.85	0.88		11.73	
	L/S								
		1	15.00	0.90	0.75	0.83		12.38	
		1	15.00	0.75	0.80	0.78		11.63	
		1	15.00	0.80	0.65	0.73		10.88	
		1	15.00	0.65	0.90	0.78		11.63	
		1	15.00	0.90	0.75	0.83		12.38	
		1	15.00	0.75	0.65	0.70		10.50	
		1	15.00	0.65	0.75	0.70		10.50	
		1	15.00	0.75	0.85	0.80		12.00	
		1	13.40	0.85	0.80	0.83		11.06	
	Hamuman Layout 1st Main Road 3rd Cross								
	From 1st Main to 2nd Main								
	R/S	1	15.00	0.75	0.65	0.70		10.50	
		1	15.00	0.65	0.75	0.70		10.50	
		1	15.00	0.75	0.80	0.78		11.63	
		1	15.70	0.80	0.70	0.75		11.78	
	L/S								
		1	15.00	0.80	0.70	0.75		11.25	
		1	15.00	0.70	0.75	0.73		10.88	
		1	15.00	0.75	0.70	0.73		10.88	
		1	15.70	0.70	0.80	0.75		11.78	
	Hamuman Layout 1st Main Road 2nd Cross								
	From 2nd Main to 1st Main								
	R/S	1	15.00	0.75	0.65	0.70		10.50	
		1	15.00	0.65	0.70	0.68		10.13	
		1	15.00	0.70	0.90	0.80		12.00	

1041.86

Sl No	Description	No.	L	B1	B2	Av.,B	D	Qty	Rate
		1	15.00	0.90	0.65	0.78		11.63	
		1	4.20	0.65	0.75	0.70		2.94	
	L/S								
		1	15.00	0.80	0.65	0.73		10.88	
		1	15.00	0.65	0.75	0.70		10.50	
		1	15.00	0.75	0.80	0.78		11.63	
		1	15.00	0.80	0.75	0.78		11.63	
		1	4.20	0.75	0.80	0.78		3.26	
	Hamuman Layout 1st Main Road 1st Cross								
	From 1st Main to 2nd Main								
	R/S	1	15.00	0.90	0.85	0.88		13.13	
		1	15.00	0.75	0.70	0.73		10.88	
		1	15.00	0.70	0.65	0.68		10.13	
		1	15.00	0.65	0.70	0.68		10.13	
		1	7.10	0.70	0.80	0.75		5.33	
	L/S								
		1	15.00	0.70	0.60	0.65		9.75	
		1	15.00	0.60	0.65	0.63		9.38	
		1	15.00	0.65	0.75	0.70		10.50	
		1	15.00	0.75	0.80	0.78		11.63	
		1	7.10	0.80	0.65	0.73		5.15	
	Deduction of Manholes								
	Manhole	-5	0.79	Area of Circle = (3.142*1.0*1.0)/4 = 0.79				-3.95	
		Total Qty =						**1196.33**	
		Qty Limited to Tender Qty =						**1166.10**	Sqm

Junior Engineer
Ward No. 10

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Sl No	Description	No.	L	B1	B2	Av.,B	D	Qty	Rate
	Measurements Recarded on :	17-02-2023							
6	Pro ing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.								Cum
	Hamuman Layout 3rd Main Road								
	From RC pura Main Road to SWD								
	R/S	1	15.00	0.75	0.80	0.78	0.25	2.91	
		1	15.00	0.80	0.90	0.85	0.25	3.19	
		1	15.00	0.90	0.75	0.83	0.25	3.09	
		1	15.00	0.75	0.60	0.68	0.25	2.53	
		1	15.00	0.60	0.90	0.75	0.25	2.81	
		1	15.00	0.90	0.65	0.78	0.25	2.91	
		1	15.00	0.65	0.90	0.78	0.25	2.91	
		1	9.50	0.90	0.75	0.83	0.25	1.96	
	L/S								
		1	15.00	0.90	0.80	0.85	0.25	3.19	
		1	15.00	0.80	0.75	0.78	0.25	2.91	
		1	15.00	0.75	0.90	0.83	0.25	3.09	
		1	15.00	0.90	0.75	0.83	0.25	3.09	
		1	15.00	0.75	0.80	0.78	0.25	2.91	
		1	15.00	0.80	0.70	0.75	0.25	2.81	
		1	15.00	0.70	0.80	0.75	0.25	2.81	
		1	9.50	0.80	0.90	0.85	0.25	2.02	
	Hamuman Layout 2nd Main Road								
	From SWD to RC pura Main Road	1	15.00	4.40	4.45	4.43	0.25	16.59	
		1	15.00	4.45	4.05	4.25	0.25	15.94	
		1	15.00	4.05	4.85	4.45	0.25	16.69	
		1	15.00	4.85	4.90	4.88	0.25	18.28	
		1	15.00	4.90	4.95	4.93	0.25	18.47	
		1	15.00	4.95	4.65	4.80	0.25	18.00	
		1	15.00	4.65	4.60	4.63	0.25	17.34	
		1	9.30	4.60	4.70	4.65	0.25	10.81	
	Hamuman Layout 1st Main Road								
	From RC pura Main Road to SWD								
	R/S	1	15.00	0.75	0.80	0.78	0.25	2.91	
		1	15.00	0.80	0.90	0.85	0.25	3.19	
		1	15.00	0.90	0.75	0.83	0.25	3.09	
		1	15.00	0.75	0.90	0.83	0.25	3.09	
		1	15.00	0.90	0.80	0.85	0.25	3.19	
		1	15.00	0.80	0.75	0.78	0.25	2.91	
		1	15.00	0.75	0.70	0.73	0.25	2.72	
		1	15.00	0.70	0.90	0.80	0.25	3.00	
		1	13.40	0.90	0.85	0.88	0.25	2.93	
	L/S								
		1	15.00	0.90	0.75	0.83	0.25	3.09	
		1	15.00	0.75	0.80	0.78	0.25	2.91	
		1	15.00	0.80	0.65	0.73	0.25	2.72	
		1	15.00	0.65	0.90	0.78	0.25	2.91	
		1	15.00	0.90	0.75	0.83	0.25	3.09	
		1	15.00	0.75	0.65	0.70	0.25	2.63	
		1	15.00	0.65	0.75	0.70	0.25	2.63	
		1	15.00	0.75	0.85	0.80	0.25	3.00	
		1	13.40	0.85	0.80	0.83	0.25	2.76	
	Hamuman Layout 1st Main Road 3rd Cross								
	From 1st Main to 2nd Main							230.02	

Sl No	Description	No.	L	B1	B2	Av.,B	D	Qty	Rate
	R/S	1	15.00	0.75	0.65	0.70	0.25	2.63	
		1	15.00	0.65	0.75	0.70	0.25	2.63	
		1	15.00	0.75	0.80	0.78	0.25	2.91	
		1	15.70	0.80	0.70	0.75	0.25	2.94	
	L/S								
		1	15.00	0.80	0.70	0.75	0.25	2.81	
		1	15.00	0.70	0.75	0.73	0.25	2.72	
		1	15.00	0.75	0.70	0.73	0.25	2.72	
		1	15.70	0.70	0.80	0.75	0.25	2.94	
	Hamuman Layout 1st Main Road 2nd Cross								
	From 2nd Main to 1st Main								
	R/S	1	15.00	0.75	0.65	0.70	0.25	2.63	
		1	15.00	0.65	0.70	0.68	0.25	2.53	
		1	15.00	0.70	0.90	0.80	0.25	3.00	
		1	15.00	0.90	0.65	0.78	0.25	2.91	
		1	4.20	0.65	0.75	0.70	0.25	0.74	
	L/S								
		1	15.00	0.80	0.65	0.73	0.25	2.72	
		1	15.00	0.65	0.75	0.70	0.25	2.63	
		1	15.00	0.75	0.80	0.78	0.25	2.91	
		1	15.00	0.80	0.75	0.78	0.25	2.91	
		1	4.20	0.75	0.80	0.78	0.25	0.81	
	Hamuman Layout 1st Main Road 1st Cross								
	From 1st Main to 2nd Main								
	R/S	1	15.00	0.90	0.85	0.88	0.25	3.28	
		1	15.00	0.75	0.70	0.73	0.25	2.72	
		1	15.00	0.70	0.65	0.68	0.25	2.53	
		1	15.00	0.65	0.70	0.68	0.25	2.53	
		1	7.10	0.70	0.80	0.75	0.25	1.33	
	L/S								
		1	15.00	0.70	0.60	0.65	0.25	2.44	
		1	15.00	0.60	0.65	0.63	0.25	2.34	
		1	15.00	0.65	0.75	0.70	0.25	2.63	
		1	15.00	0.75	0.80	0.78	0.25	2.91	
		1	7.10	0.80	0.65	0.73	0.25	1.29	
	Deduction of Manholes							70.05	
	Manhole	-5	0.79	Area of Circle =			0.25	-0.99	
		Total Qty =						**299.08**	
		Qty Limited to Tender Qty =						**291.52**	Cum

Junior Engineer
Ward No. 10

Assistant Executive Engineer
Vidayranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Sl No	Description	No.	L	B1	B2	Av.,B	D	Qty	Rate
	Measurements Recarded on :	20-02-2023							
7	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.								Sqm
	Hamuman Layout 3rd Main Road								
	From RC pura Main Road to SWD								
	R/S	1	15.00	0.75	0.80	0.78		11.63	
		1	15.00	0.80	0.90	0.85		12.75	
		1	15.00	0.90	0.75	0.83		12.38	
		1	15.00	0.75	0.60	0.68		10.13	
		1	15.00	0.60	0.90	0.75		11.25	Ok
		1	15.00	0.90	0.65	0.78		11.63	
		1	15.00	0.65	0.90	0.78		11.63	
		1	9.50	0.90	0.75	0.83		7.84	
	L/S								
		1	15.00	0.90	0.80	0.85		12.75	
		1	15.00	0.80	0.75	0.78		11.63	
		1	15.00	0.75	0.90	0.83		12.38	
		1	15.00	0.90	0.75	0.83		12.38	
		1	15.00	0.75	0.80	0.78		11.63	Ok
		1	15.00	0.80	0.70	0.75		11.25	
		1	15.00	0.70	0.80	0.75		11.25	
		1	9.50	0.80	0.90	0.85		8.08	
	Hamuman Layout 2nd Main Road								
	From SWD to RC pura Main Road	1	15.00	4.40	4.45	4.43		66.38	
		1	15.00	4.45	4.05	4.25		63.75	
		1	15.00	4.05	4.85	4.45		66.75	
		1	15.00	4.85	4.90	4.88		73.13	
		1	15.00	4.90	4.95	4.93		73.88	Ok
		1	15.00	4.95	4.65	4.80		72.00	
		1	15.00	4.65	4.60	4.63		69.38	
		1	9.30	4.60	4.70	4.65		43.25	
	Hamuman Layout 1st Main Road								
	From RC pura Main Road to SWD								
	R/S	1	15.00	0.75	0.80	0.78		11.63	
		1	15.00	0.80	0.90	0.85		12.75	
		1	15.00	0.90	0.75	0.83		12.38	
		1	15.00	0.75	0.90	0.83		12.38	
		1	15.00	0.90	0.80	0.85		12.75	Ok
		1	15.00	0.80	0.75	0.78		11.63	
		1	15.00	0.75	0.70	0.73		10.88	
		1	15.00	0.70	0.90	0.80		12.00	
		1	13.40	0.90	0.85	0.88		11.73	
	L/S								
		1	15.00	0.90	0.75	0.83		12.38	
		1	15.00	0.75	0.80	0.78		11.63	
		1	15.00	0.80	0.65	0.73		10.88	
		1	15.00	0.65	0.90	0.78		11.63	
		1	15.00	0.90	0.75	0.83		12.38	
		1	15.00	0.75	0.65	0.70		10.50	Ok
		1	15.00	0.65	0.75	0.70		10.50	
		1	15.00	0.75	0.85	0.80		12.00	
		1	13.40	0.85	0.80	0.83		11.06	
	Hamuman Layout 1st Main Road 3rd Cross								
	From 1st Main to 2nd Main								
	R/S	1	15.00	0.75	0.65	0.70		10.50	

930.56

Sl No	Description	No.	L	B1	B2	Av.,B	D	Qty	Rate
		1	15.00	0.65	0.75	0.70		10.50	
		1	15.00	0.75	0.80	0.78		11.63	
		1	15.70	0.80	0.70	0.75		11.78	
	L/S								
		1	15.00	0.80	0.70	0.75		11.25	
		1	15.00	0.70	0.75	0.73		10.88	
		1	15.00	0.75	0.70	0.73		10.88	
		1	15.70	0.70	0.80	0.75		11.78	
	Hamuman Layout 1st Main Road 2nd Cross								
	From 2nd Main to 1st Main								
	R/S	1	15.00	0.75	0.65	0.70		10.50	
		1	15.00	0.65	0.70	0.68		10.13	
		1	15.00	0.70	0.90	0.80		12.00	
		1	15.00	0.90	0.65	0.78		11.63	
		1	4.20	0.65	0.75	0.70		2.94	
	L/S								
		1	15.00	0.80	0.65	0.73		10.88	
		1	15.00	0.65	0.75	0.70		10.50	
		1	15.00	0.75	0.80	0.78		11.63	
		1	15.00	0.80	0.75	0.78		11.63	
		1	4.20	0.75	0.80	0.78		3.26	
	Hamuman Layout 1st Main Road 1st Cross								
	From 1st Main to 2nd Main								
	R/S	1	15.00	0.90	0.85	0.88		13.13	
		1	15.00	0.75	0.70	0.73		10.88	
		1	15.00	0.70	0.65	0.68		10.13	
		1	15.00	0.65	0.70	0.68		10.13	
		1	7.10	0.70	0.80	0.75		5.33	
	L/S								
		1	15.00	0.70	0.60	0.65		9.75	
		1	15.00	0.60	0.65	0.63		9.38	
		1	15.00	0.65	0.75	0.70		10.50	
		1	15.00	0.75	0.80	0.78		11.63	
		1	7.10	0.80	0.65	0.73		5.15	
	Deduction of Manholes							269.72	
	Manhole	-5	0.79	Area of Circle = (3.142*1.0*1.0)/4 = 0.79				-3.95	
		Total Qty =						**1196.33**	
		Qty Limited to Tender Qty =						**1166.10**	Sqm

Junior Engineer
Ward No. 10

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Sl No	Description	No.	L	B1	B2	Av.,B	D	Qty	Rate
	Measurements Recarded on :	20-02-2023							
8	Providing and laying **bituminous macadam** on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixd material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications. MORTH /Chapter 5 - using **40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 3.3 % VG-30 Bitumen**								Cum
	Hamuman Layout 3rd Main Road								
	From RC pura Main Road to SWD								
	R/S	1	15.00	0.75	0.80	0.78	0.050	0.58	
		1	15.00	0.80	0.90	0.85	0.050	0.64	
		1	15.00	0.90	0.75	0.83	0.050	0.62	
		1	15.00	0.75	0.60	0.68	0.050	0.51	
		1	15.00	0.60	0.90	0.75	0.050	0.56	
		1	15.00	0.90	0.65	0.78	0.050	0.58	
		1	15.00	0.65	0.90	0.78	0.050	0.58	
		1	9.50	0.90	0.75	0.83	0.050	0.39	
	L/S								
		1	15.00	0.90	0.80	0.85	0.050	0.64	
		1	15.00	0.80	0.75	0.78	0.050	0.58	
		1	15.00	0.75	0.90	0.83	0.050	0.62	
		1	15.00	0.90	0.75	0.83	0.050	0.62	
		1	15.00	0.75	0.80	0.78	0.050	0.58	
		1	15.00	0.80	0.70	0.75	0.050	0.56	
		1	15.00	0.70	0.80	0.75	0.050	0.56	
		1	9.50	0.80	0.90	0.85	0.050	0.40	
	Hamuman Layout 2nd Main Road								
	From SWD to RC pura Main Road	1	15.00	4.40	4.45	4.43	0.050	3.32	
		1	15.00	4.45	4.05	4.25	0.050	3.19	
		1	15.00	4.05	4.85	4.45	0.050	3.34	
		1	15.00	4.85	4.90	4.88	0.050	3.66	
		1	15.00	4.90	4.95	4.93	0.050	3.69	
		1	15.00	4.95	4.65	4.80	0.050	3.60	
		1	15.00	4.65	4.60	4.63	0.050	3.47	
		1	9.30	4.60	4.70	4.65	0.050	2.16	
	Hamuman Layout 1st Main Road								
	From RC pura Main Road to SWD								
	R/S	1	15.00	0.75	0.80	0.78	0.050	0.58	
		1	15.00	0.80	0.90	0.85	0.050	0.64	
		1	15.00	0.90	0.75	0.83	0.050	0.62	
		1	15.00	0.75	0.90	0.83	0.050	0.62	
		1	15.00	0.90	0.80	0.85	0.050	0.64	
		1	15.00	0.80	0.75	0.78	0.050	0.58	
		1	15.00	0.75	0.70	0.73	0.050	0.54	
		1	15.00	0.70	0.90	0.80	0.050	0.60	
		1	13.40	0.90	0.85	0.88	0.050	0.59	
	L/S								
		1	15.00	0.90	0.75	0.83	0.050	0.62	
		1	15.00	0.75	0.80	0.78	0.050	0.58	
		1	15.00	0.80	0.65	0.73	0.050	0.54	
		1	15.00	0.65	0.90	0.78	0.050	0.58	
		1	15.00	0.90	0.75	0.83	0.050	0.62	
		1	15.00	0.75	0.65	0.70	0.050	0.53	
		1	15.00	0.65	0.75	0.70	0.050	0.53	
		1	15.00	0.75	0.85	0.80	0.050	0.60	
		1	13.40	0.85	0.80	0.83	0.050	0.55	

46.00

Sl No	Description	No.	L	B1	B2	Av.,B	D	Qty	Rate
	Hamuman Layout 1st Main Road 3rd Cross								
	From 1st Main to 2nd Main								
	R/S	1	15.00	0.75	0.65	0.70	0.050	0.53	
		1	15.00	0.65	0.75	0.70	0.050	0.53	
		1	15.00	0.75	0.80	0.78	0.050	0.58	
		1	15.70	0.80	0.70	0.75	0.050	0.59	
	L/S								
		1	15.00	0.80	0.70	0.75	0.050	0.56	
		1	15.00	0.70	0.75	0.73	0.050	0.54	
		1	15.00	0.75	0.70	0.73	0.050	0.54	
		1	15.70	0.70	0.80	0.75	0.050	0.59	
	Hamuman Layout 1st Main Road 2nd Cross								
	From 2nd Main to 1st Main								
	R/S	1	15.00	0.75	0.65	0.70	0.050	0.53	
		1	15.00	0.65	0.70	0.68	0.050	0.51	
		1	15.00	0.70	0.90	0.80	0.050	0.60	
		1	15.00	0.90	0.65	0.78	0.050	0.58	
		1	4.20	0.65	0.75	0.70	0.050	0.15	
	L/S								
		1	15.00	0.80	0.65	0.73	0.050	0.54	
		1	15.00	0.65	0.75	0.70	0.050	0.53	
		1	15.00	0.75	0.80	0.78	0.050	0.58	
		1	15.00	0.80	0.75	0.78	0.050	0.58	
		1	4.20	0.75	0.80	0.78	0.050	0.16	
	Hamuman Layout 1st Main Road 1st Cross								
	From 1st Main to 2nd Main								
	R/S	1	15.00	0.90	0.85	0.88	0.050	0.66	
		1	15.00	0.75	0.70	0.73	0.050	0.54	
		1	15.00	0.70	0.65	0.68	0.050	0.51	
		1	15.00	0.65	0.70	0.68	0.050	0.51	
		1	7.10	0.70	0.80	0.75	0.050	0.27	
	L/S								
		1	15.00	0.70	0.60	0.65	0.050	0.49	
		1	15.00	0.60	0.65	0.63	0.050	0.47	
		1	15.00	0.65	0.75	0.70	0.050	0.53	
		1	15.00	0.75	0.80	0.78	0.050	0.58	
		1	7.10	0.80	0.65	0.73	0.050	0.26	
	Deduction of Manholes								
	Manhole	-5	0.79	Area of Circle =			0.050	-0.20	
		Total Qty =						**59.82**	
		Qty Limited to Tender Qty =						**58.30**	Cum

Junior Engineer
Ward No. 10

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Sl No	Description	No.	L	B1	B2	Av.,B	D	Qty	Rate
	Measurements Recarded on :	20-02-2023							
9	Cle..ng the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per								Sqm
	Hamuman Layout 3rd Main Road								
	From RC pura Main Road to SWD	1	15.00	5.70	5.20	5.45		81.75	
		1	15.00	5.20	4.60	4.90		73.50	
		1	15.00	4.60	4.05	4.33		64.88	
		1	15.00	4.05	4.55	4.30		64.50	
		1	15.00	4.55	4.40	4.48		67.13	
		1	15.00	4.40	5.00	4.70		70.50	
		1	15.00	5.00	4.90	4.95		74.25	
		1	9.50	4.90	5.30	5.10		48.45	
	Hamuman Layout 2nd Main Road								
	From SWD to RC pura Main Road	1	15.00	4.40	4.45	4.43		66.38	
		1	15.00	4.45	4.05	4.25		63.75	
		1	15.00	4.05	4.85	4.45		66.75	
		1	15.00	4.85	4.90	4.88		73.13	
		1	15.00	4.90	4.95	4.93		73.88	
		1	15.00	4.95	4.65	4.80		72.00	
		1	15.00	4.65	4.60	4.63		69.38	
		1	9.30	4.60	4.70	4.65		43.25	
	Hamuman Layout 1st Main Road								
	From RC pura Main Road to SWD	1	15.00	6.40	5.80	6.10		91.50	
		1	15.00	5.80	5.10	5.45		81.75	
		1	15.00	5.10	4.40	4.75		71.25	
		1	15.00	4.40	5.05	4.73		70.88	
		1	15.00	5.05	4.50	4.78		71.63	
		1	15.00	4.50	4.40	4.45		66.75	
		1	15.00	4.40	4.70	4.55		68.25	
		1	15.00	4.70	4.05	4.38		65.63	
		1	13.40	4.05	3.80	3.93		52.60	
	Hamuman Layout 1st Main Road 3rd Cross								
	From 1st Main to 2nd Main	1	15.00	3.65	3.35	3.50		52.50	
		1	15.00	3.35	3.55	3.45		51.75	
		1	15.00	3.55	3.45	3.50		52.50	
		1	15.70	3.45	4.20	3.83		60.05	
	Hamuman Layout 1st Main Road 2nd Cross								
	From 2nd Main to 1st Main								
		1	15.00	3.90	3.50	3.70		55.50	
		1	15.00	3.50	4.05	3.78		56.63	
		1	15.00	4.05	3.90	3.98		59.63	
		1	15.00	3.90	3.55	3.73		55.88	
		1	4.20	3.55	3.70	3.63		15.23	
	Hamuman Layout 1st Main Road 1st Cross								
	From 1st Main to 2nd Main	1	15.00	4.80	4.35	4.58		68.63	
		1	15.00	4.35	4.25	4.30		64.50	
		1	15.00	4.25	5.10	4.68		70.13	
		1	15.00	5.10	4.20	4.65		69.75	
		1	7.10	4.20	4.40	4.30		30.53	
	Deduction of Manholes								
	Manhole	-16	0.79	Area of Circle = (3.142*1.0*1.0)/4 = 0.79				-12.64	
				Total Qty =				**2464.21**	
				Qty Limited to Tender Qty =				**2412.90**	Sqm

2476.85

Junior Engineer
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Vidayranyapura Sub Division